

CLAIMS

(Original) 1. An apparatus for providing context sensitive dynamic data via wireless networks comprising:

an information source element configured to provide data to a data service element which
5 uses the provided data to register with a directory service element; and wherein a client
subsequently requests a service from a directory service polling subelement, which sends
a lookup query to the directory service which, in turn provides services matching those
requested by the client, to a candidate service filtering subelement, where candidate
services are isolated, and are submitted to a target service filtering subelement; where
10 target services are isolated and provided to the client and the isolated candidate services
serve as the basis for registering the client's interest with a client update decision
subelement and the client update decision subelement provides an updated service entry
of candidate services to the target service filtering subelement and the directory service
update decision subelement provides an updated service entry to the directory service.

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(Original) 2. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 1, wherein the information source is at least one of the following:

- i. a permanently mounted video camera,
- 20 ii. a video camera affixed to a vehicle,
- iii. a strategically placed environmental sensor,
- iv. an environmental sensor affixed to a vehicle,

- v. a satellite based position sensor affixed to a vehicle.

(Original) 3. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 1, wherein the data service element includes at least one
5 element from the list consisting of:

a computer configured to perform pre-specified functions;

a device configured to respond to operator instructions; a device configured to respond to external instructions; a device configured to respond to internal system instructions; and an application-specific integrated circuit; a preprogrammed logic circuit.

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(Original) 4. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 1, wherein the client is in a mobile vehicle and the information source includes at least one of the following:

i. a terrestrially mounted temperature sensor;

15 ii. a terrestrially mounted video camera;

iii. a vehicle mounted satellite based position indicator;

iv. a vehicle mounted video camera.

(Original) 5. The apparatus for providing context sensitive dynamic data via wireless
20 networks as set forth in claim 1, wherein the client has a mobility pattern consistent with

that of a pedestrian, and the information source is a plurality of sources including a vehicle and a stationary sensor.

(Original) 6. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 1, wherein the updated service entry is periodically updated even in the absence of an existing client, and wherein the data service and the directory service are located in a location remote from the personal lookup agent.

(Original) 7. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 1, wherein the information source is located in at least one location, and the directory service, data service and personal lookup agent are in at least one other location.

(Original) 8. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 7, wherein the information source is located in at least one location, and the directory service, data service and personal lookup agent are in at least one other general location and at least two of the elements are physically interconnected and at least two of the parts are interconnected using wireless based technology.

(Original) 9. The apparatus for providing context sensitive dynamic data via wireless networks as set forth in claim 8, wherein the operative interconnect between the information source and the client, is characterized by at least one wireless link.

(Original) 10. A method for providing context sensitive dynamic data via wireless networks comprising:

i. providing an information source element;

5 ii. providing a data service element including at least one of the following:

a. a directory service update decision subelement and a

b. a client update decision subelement

iii. providing a directory service;

iv. providing a personal lookup agent, including at least one of the following

10 subelements:

v. a directory service polling subelement

vi. a candidate service filtering subelement;

vii. a target service filtrating subelement;

wherein the information source is configured to provide data to the data service element;

15 which is configured to register with the directory service element; and

wherein a client requests a service from the personal lookup agent's directory service polling subelement which sends a lookup query to the directory service which provides services matching those services requested to the candidate service filtering subelement; and wherein the resulting isolated candidate services are submitted to a target service

20 filtering subelement; and wherein the isolated target services are provided to the client;

and wherein the isolated candidate services serve as the basis for registering the client's interest with the client update decision subelement; and

wherein the client update decision subelement provides an updated service entry of candidate services to the target service filtering subelement and wherein the directory
5 service update decision subelement provides an updated service entry to the directory service element and wherein the candidate services serve as the basis for the personal lookup agent element's registration of interests with the client update decision subelement which is fed by the information source element.

10 (Original) 11. The method for providing context sensitive dynamic data via wireless networks as set forth in claim 10 wherein after the initial service lookup utilizing the directory service element, the client contact with the information source subelement, via the personal lookup agent element is substantially confined to the client update decision subelement.

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(Previously Presented) 12. The method for providing context sensitive dynamic data via wireless networks as set forth in claim 10, wherein the information source is configured to provide data to the data service in at least one of the following manners:

- i. utilizing a permanently mounted video camera,
- 20 ii. utilizing a video camera affixed to a vehicle,
- iii. utilizing a strategically placed environmental sensor,
- iv. utilizing an environmental sensor affixed to a vehicle,

- v. utilizing a satellite based position sensor affixed to a vehicle.

(Previously Presented) 13. The method for providing context sensitive dynamic data via wireless networks as set forth in claim 10, wherein the data service element

5 includes utilizing at least one of the following:

- i. a computer configured to perform pre-specified functions
- ii. a device configured to respond to operator instructions;
- iii. a device configured to respond to external instructions;
- iv. a device configured to respond to internal system instructions;
- 10 v. an application-specific integrated circuit;
- vi. a preprogrammed logic circuit.

(Previously Presented) 14. The method for providing context sensitive dynamic data via wireless networks as set forth in claim 10, wherein the client is in a mobile

15 vehicle and the information source utilizes at least one of the following:

- i. a terrestrially mounted temperature sensor;
- ii. a terrestrially mounted video camera;
- iii. a vehicle mounted satellite based position indicator;
- iv. a vehicle mounted video camera.

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(Previously Presented) Previously Presented. The method for providing context sensitive dynamic data via wireless networks as set forth in claim **10**, wherein the client is a pedestrian, and the information source utilizes a plurality of sources including a vehicle and a stationary sensor.

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(Previously Presented) 16. The method for providing context sensitive dynamic data via wireless networks as set forth in claim **10**, wherein the updated service entry is periodically updated even in the absence of an existing client, and wherein the data service and the directory service are located in a location remote from the personal

10 lookup agent.

(Previously Presented) 17. The method for providing context sensitive dynamic data via wireless networks as set forth in claim **10**, utilizing the information source in at least one location, and utilizing the directory service, data service and personal lookup

15 agent in at least one other location.

(Previously Presented) 18. The method for providing context sensitive dynamic data via wireless networks as set forth in claim **17**, wherein the information source is utilized in at least one location, and the directory service, data service and personal

20 lookup agent are utilized at least one other general location and at least two of the elements are utilized while physically interconnected and at least two of the elements are utilized while interconnected using wireless based technology.

(Previously Presented) 19. The method for providing context sensitive dynamic data via wireless networks as set forth in claim 18, wherein the operative interconnect between the information source and the client, is characterized by utilizing at least one
5 wireless link.

(Cancelled) 20.

(Cancelled) 21.

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(Cancelled) 22.

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